

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-21

WASTE DISCHARGE REQUIREMENTS FOR:

OAKLAND SCAVENGER COMPANY
DURHAM ROAD CLASS II-2 SOLID WASTE DISPOSAL SITE
FREMONT, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Waste Discharge Requirements Order No. 67-10 was adopted by the Board on February 16, 1967, for Oakland Scavenger Company's Durham Road Sanitary Landfill (hereinafter called the discharger).
2. The discharger currently disposes of Group 2 and Group 3 wastes at a site which it owns located at the west end of Durham Road in the City of Fremont, as shown on Attachment A which is incorporated herein and made part of this Order.
3. The site comprises approximately 378 acres, and is divided into three major sections. An 850 foot wide strip (approximately 123 acres) along the Southern Pacific Railroad tracks on the eastern edge of the property has been excluded from landfill use. Area I as shown in Attachment A covers approximately 125 acres is the existing active area. Area II which covers about 130 acres is proposed for future refuse disposal area, contingent upon resolution of dispute with the U. S. Army Corps of Engineers over jurisdiction of lands. Pending resolution of this conflict, raising the elevation of Area I has been proposed by the discharger as an interim measure to extend the life of the site to 1982. An Environmental Impact Report (EIR) has been adopted by the City of Fremont.
4. The site is underlain by considerable thickness of impervious clay strata ranging from 20 to 70 feet, interbedded with discontinuous layers of silts and fine sands. Poor quality ground water exists beneath the site ranging in depth from 5 to more than 25 feet. At present no known useable ground water exists immediately beneath the landfill.

The Newark Aquifer lies about 20 feet below the ground surface and is currently not of quality. However, the ongoing ground water recharge program by the Alameda County Water District is expected to improve the quality of the Newark Aquifer within 15 to 20 years. The impervious bay mud strata overlying the Newark Aquifer prevents vertical movement of shallow ground water or leachate. Mowry Slough, Albrae Slough and the Alameda County Flood Control Channel flow within a quarter mile of the site.

5. Subsequent to the modifications necessary to comply with this Order, this disposal site will meet the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15, for classification of a portion of the site as a Class II-2 disposal site suitable to receive Group 2 and Group 3 wastes.
6. The beneficial uses of Mowry Slough, Albrae Slough and San Francisco Bay are:

Recreation
Fish propagation
Habitat and resting for waterfowl and migratory birds
Esthetic enjoyment
Navigation
7. Land within 1000 feet of the site is used for salt ponds and railroad transportation.
8. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975 and this Order implements the water quality objectives stated in that plan.
9. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
10. The City of Fremont has prepared a final Environmental Impact Report dated September 22, 1978, in accordance with the California Environmental Quality Act (Public Resources Code Section 2100 et. seq.). The project, as approved by the City of Fremont, will cause a significant effect on the environment in that the presence of a landfill and landfill activity may degrade water quality. The Waste Disposal Specifications, Leachate and Drainage Specifications, and Provisions of this Order will mitigate or avoid this adverse impact.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Oakland Scavenger Company and any other persons that shall own the land or operate this landfill shall comply with the following:

A. Waste Disposal Specifications

1. The disposal of waste shall not cause pollution or a nuisance and shall be confined in Area I only.
2. The disposal of waste on the proposed new fill Area II shall not commence without approval by this Board. The Board will consider this once other necessary permits have been granted.

3. Wastes shall not be disposed of at any position where they can be carried from the disposal site and discharged into waters of the State.
4. Group 2 wastes shall not be placed in or allowed to contact ponded water from any source whatsoever.
5. Liquid wastes or high moisture content waste shall not be discharged with Group 2 waste, except with the written approval of the Executive Officer.
6. Group 1 waste shall not be stored or deposited at this site.
7. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.

B. Leachate and Drainage Specifications

1. Leachate from Group 2 waste or ponded water containing leachate shall be confined to Area I as shown on Attachment A.
2. Disposal area(s) shall be protected from any washout or erosion of wastes or covering material, and from inundation, which could occur as a result of floods having a predicted frequency of once in 100 years.
3. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through Group 2 wastes deposited on the site.
4. Vertical and lateral hydraulic continuity with ground or surface waters shall be prevented by the presence of a natural clay barrier surrounding the area which is keyed into impermeable substrata and has a thickness of at least five feet and a permeability of 1×10^{-6} cm/sec or less or equivalent. If such a natural condition does not exist, an artificial barrier shall be constructed to meet the above specifications.
5. The exterior surfaces of the disposal area shall be covered and graded to promote lateral runoff of precipitation and to prevent ponding.
6. The migration of methane gas from Group 2 waste shall be controlled as necessary to prevent creation of a nuisance.
7. Useable ground waters shall not be degraded as a result of the solid waste disposal operation.

C. Provisions

1. The discharger shall comply with all portions of this order except specification B.2 immediately upon adoption.

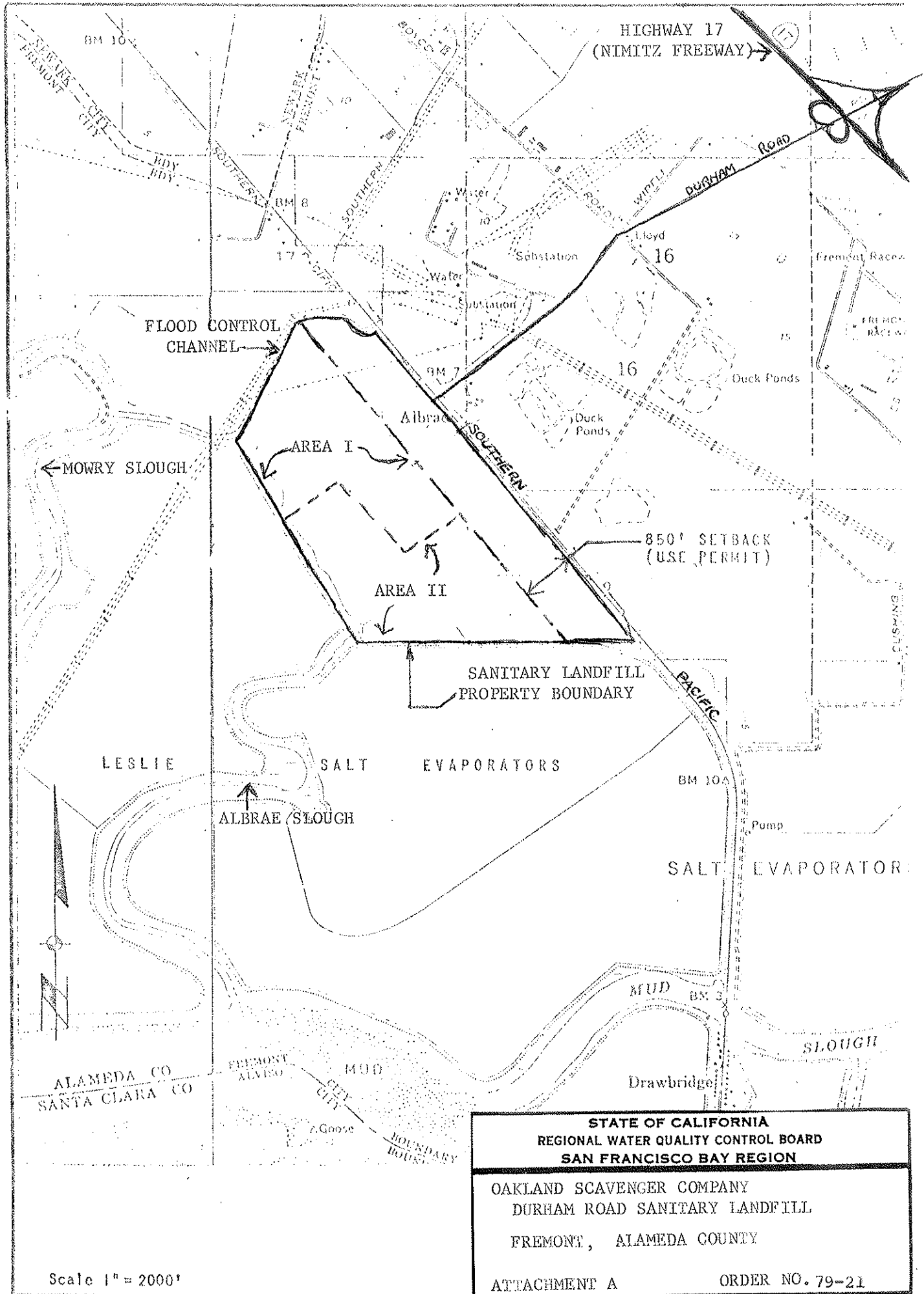
2. The discharger shall insure that slope stability of this site is maintained under conditions generated during a maximum probable earthquake. To accomplish this objective the discharger shall submit slope stability analyses satisfactory to the Executive Officer specifying the maximum height and slope of the fill necessary to insure slope stability and the proposed implementation plan. This analysis and implementation plan shall be submitted no later than February 15, 1980.
3. A technical report, plan and time schedule for compliance with B.2 shall be prepared by a certified engineering geologist or registered engineer and submitted by June 15, 1979.
4. The discharger shall submit a site closure plan to the Board which shall conform to Resolution No. 77-7 established by the Regional Board. The site closure plan shall be prepared by or under the supervision of a registered engineer or a certified engineering geologist and shall be submitted no later than February 15, 1980.
5. The discharger shall maintain a copy of the Order at the site so as to be available at all times to site operating personnel.
6. The discharger shall file with this Board a report of any material change or proposed change in the character, location, or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours or ownership of the disposal area.
7. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
8. The discharger shall file with the Board **technical** reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program which may be directed by the Executive Officer.
9. The discharger shall permit the Regional Board:
 - a. Entry upon premises on which waste are located or in which any required records are kept,
 - b. Access to copy any records required to be kept under terms and conditions of this Order,
 - c. Inspection of monitoring equipment or records, and
 - d. Sampling of any discharge.

10. This Board's Resolution No. 67-10 is hereby rescinded.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 20, 1979.

FRED H. DIERKER
Executive Officer

Enclosure:
Attachment A



Scale 1" = 2000'

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
OAKLAND SCAVENGER COMPANY
DURHAM ROAD SANITARY LANDFILL
FREMONT, ALAMEDA COUNTY
ATTACHMENT A
ORDER NO. 79-21